SETUP GUIDE

Step-by-Step Setup Process on New Laptop

Prerequisites (Must Install First):-

- 1. Download & Install Node.js
 - o Go to: https://nodejs.org/
 - o Download LTS version (v18+ recommended)
 - Run installer and follow prompts
 - \circ Verify: Open Command Prompt \rightarrow Type node --version
- 2. Install MetaMask Browser Extension
 - o Go to: https://metamask.io/
 - Add to Chrome/Firefox/Edge
 - o Create new wallet or import existing
- 3. Optional: Install Python (for ML features)
 - Go to: https://python.org/downloads/
 - o Download Python 3.8+
 - Check "Add Python to PATH" during installation

Setup Process:

Step 1: Transfer Files

Copy your entire healthcareDapp folder to the new laptop

Step 2: Run Automated Setup

In the CMD or Terminal of VSC, run Setup.bat file. Double-click setup.bat OR run in Command Prompt.

✓ What <u>setup.bat</u> Does Automatically:

The script will:

- 1. ✓ Check Node.js installation
- 2. Install Truffle & Ganache globally
- 3. Install npm dependencies
- 4. Install Python dependencies (if Python available)
- 5. 🗹 Start Ganache local blockchain
- **6. ✓** Compile smart contracts
- 7. Deploy contracts to local blockchain
- 8. ✓ Show setup completion message

Expected Output: -

Healthcare DApp - Windows Setup Script

[STEP] Checking Node.js installation
[INFO] Node.js found ☑

v18.17.0

[STEP] Checking npm installation...

[INFO] npm found ✓

9.6.7

[STEP] Installing global dependencies...

[INFO] Installing Truffle...

[INFO] Installing Ganache CLI...

[STEP] Installing project dependencies...

[INFO] Installing main project dependencies...

[INFO] Installing client dependencies...

[INFO] Installing Python API dependencies...

[STEP] Compiling and deploying smart contracts...

[INFO] Compiling contracts...

[INFO] Deploying contracts...

[INFO] Contracts deployed successfully ✓



Step 3: Configure MetaMask: -

Add Local Network in MetaMask:

Network Name: Ganache Local

RPC URL: http://127.0.0.1:7545

Chain ID: 1337

Currency Symbol: ETH

Step 4: Import Ganache Accounts: -

In Command Prompt, if Ganache is running, you'll see:

Available Accounts with private keys

Copy 2-3 private keys and import to MetaMask

Step 5: Update Contract Address: -

After setup.bat completes, it will show the deployed contract address

Copy this address and update in:

src/config.js

Step 6: Start the Application: -

In project folder:

npm start

Application opens at: http://localhost:3000

If Setup Fails - Manual Backup:

If setup.bat encounters issues: -

Manual installation:

npm install -g truffle ganache-cli npm install cd api pip install -r requirements.txt cd ..

Start Ganache manually:

ganache-cli --port 7545 --deterministic

In new terminal:

truffle compile
truffle migrate --reset
npm start